

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L1 | 3104 | ((313/141,142,143,123,118,127) or (123/169R,169el,169p)).CCLS.) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2005/05/13 09:21 |
| L2 | 525 | spark adj plug and ((protect\$3 wear\$3 erosion damage anti\$3spark\$3) same ((central center) near3 electrode)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/05/13 09:21 |
| L3 | 238 | L1 and L2 | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2005/05/13 09:21 |
| L4 | 238 | L3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/05/13 09:48 |
| L5 | 2 | ("20020109447").PN. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2005/05/13 09:32 |
| L9 | 0 | ("2002/0109447").URPN. | USPAT | OR | ON | 2005/05/13 09:45 |
| L10 | 0 | "10082213" | USPAT | OR | ON | 2005/05/13 09:45 |
| L11 | 0 | "10082213".appl. | USPAT | OR | ON | 2005/05/13 09:45 |
| L12 | 0 | "10082213".ap. | USPAT | OR | ON | 2005/05/13 09:46 |
| L13 | 3 | macchiarolo.xa. and spark near plug | USPAT | OR | ON | 2005/05/13 09:46 |
| L14 | 2 | ("6611084").URPN. | USPAT | OR | ON | 2005/05/13 09:46 |
| L15 | 17 | 4 and (@pd > "20041130") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/05/13 09:48 |
| S1 | 4 | macchiarolo.xa. and plug | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2004/11/18 16:35 |
| S2 | 2 | ("20020109447").PN. | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | OFF | 2004/06/23 17:45 |
| S3 | 5 | ("4845400" "5239225" "5793151" "6064143" "6316868").PN. | USPAT | OR | ON | 2004/06/23 17:51 |

| | | | | | | |
|-----|------|---|--|----|-----|------------------|
| S4 | 2 | ("6552476").PN. | USPAT; USOCR; JPO; DERWENT | OR | OFF | 2004/06/24 09:09 |
| S5 | 3 | ("6617706").PN. | USPAT; USOCR; JPO; DERWENT | OR | OFF | 2004/06/24 09:24 |
| S6 | 11 | ("5189333" "5448130" "5502351" "5581145" "5793151" "5866972" "5873338" "5929556" "5990602" "6095124" "6208066").PN. | USPAT | OR | ON | 2004/06/24 09:11 |
| S7 | 2 | ("6316868").PN. | USPAT; USOCR; JPO; DERWENT | OR | OFF | 2004/06/24 09:35 |
| S8 | 2 | ("6229253").PN. | USPAT; USOCR; JPO; DERWENT | OR | OFF | 2004/06/24 09:36 |
| S9 | 2 | ("6335587").PN. | USPAT; USOCR; JPO; DERWENT | OR | OFF | 2004/06/24 09:36 |
| S10 | 2647 | ((313/141,142,123,118,127) or (123/169R,169el,169p)).CCLS. | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | OFF | 2004/06/24 09:43 |
| S11 | 96 | ((313/141,142,123,118,127) or (123/169R,169el,169p)).CCLS.) and ((spark near (erosion wear)) (anti\$spark)) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2004/11/18 17:22 |
| S12 | 1 | ("6597089").PN. | USPAT; USOCR | OR | OFF | 2004/06/24 10:31 |
| S13 | 13 | ("5440198" "5461275" "5866972" "5877584" "5929556" "5973443" "5977695" "6064144" "6078129" "6093071" "6215235" "6316868" "6337533").PN. | USPAT | OR | ON | 2004/06/24 10:45 |
| S14 | 2 | ("5693999" "6091185").PN. | USPAT | OR | ON | 2004/06/24 11:15 |
| S15 | 0 | "6611084".URPN. | USPAT | OR | ON | 2004/06/24 11:26 |
| S16 | 5 | ("4845400" "5239225" "5793151" "6064143" "6316868").PN. | USPAT | OR | ON | 2004/06/24 11:27 |

| | | | | | | |
|-----|-----|---|---|----|-----|------------------|
| S17 | 3 | ((((313/141,142,123,118,127) or (123/169R,169el,169p)).CCLS.) and ((spark near (erosion wear)) (anti\$3spark))) and (second near ground near electrode) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2004/06/24 14:39 |
| S18 | 0 | "6335587".URPN. | USPAT | OR | ON | 2004/06/24 16:00 |
| S19 | 2 | ("5693999" "6091185").PN. | USPAT | OR | ON | 2004/06/24 16:00 |
| S20 | 266 | (spark near plug) and ((spark near (erosion wear)) (anti\$3spark)) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2004/11/18 15:58 |
| S21 | 173 | ((spark near plug) and ((spark near (erosion wear)) (anti\$3spark))) not (((313/141, 142,123,118,127) or (123/169R, 169el,169p)).CCLS.) and ((spark near (erosion wear)) (anti\$3spark))) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2004/06/24 16:34 |
| S22 | 0 | "2001185323".URPN. | USPAT | OR | ON | 2004/06/24 16:17 |
| S23 | 1 | 2000-352365.NRAN. | DERWENT | OR | OFF | 2004/06/24 16:33 |
| S24 | 1 | ("6617706").PN. | USPAT; USOCR | OR | OFF | 2004/06/24 16:34 |
| S25 | 9 | (spark near plug) and ((spark near (erosion wear)) (anti\$3spark)) and @pd > "20040629" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2004/11/18 16:34 |
| S26 | 2 | ("20030001474").PN. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2004/11/18 16:34 |
| S28 | 1 | "6335587" | USPAT | OR | ON | 2004/11/18 16:43 |
| S29 | 0 | ("2003001474").PN. | USPAT | OR | OFF | 2004/11/18 16:44 |
| S30 | 0 | ("20030001474").PN. | USPAT | OR | OFF | 2004/11/18 16:44 |
| S31 | 1 | ("20030001474").PN. | US-PGPUB | OR | OFF | 2004/11/18 16:59 |
| S32 | 1 | de-3926560-\$.did. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2004/11/18 16:59 |
| S33 | 2 | de-3926560-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/11/18 17:00 |
| S34 | 1 | 1991-052147.NRAN. | DERWENT | OR | ON | 2004/11/18 17:00 |
| S35 | 11 | "3926560" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/11/18 17:19 |

| | | | | | | |
|-----|-------|--|------------------------------------|----|-----|------------------|
| S36 | 10325 | spark adj plug and (protect\$3 wear\$3 erosion damage anti\$3spark\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/11/18 17:20 |
| S37 | 1643 | spark adj plug and ((protect\$3 wear\$3 erosion damage anti\$3spark\$3) same electrode) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/11/18 17:21 |
| S39 | 3053 | ((((313/141,142,143,123,118,127) or (123/169R,169el,169p)).CCLS.) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2004/11/18 17:24 |
| S41 | 502 | spark adj plug and ((protect\$3 wear\$3 erosion damage anti\$3spark\$3) same ((central center) near3 electrode)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/05/13 09:21 |
| S42 | 221 | S39 and S41 | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2004/11/18 17:33 |
| S43 | 1 | ("5497045").PN. | USPAT | OR | OFF | 2004/11/18 17:41 |
| S44 | 1 | ("6724133").PN. | USPAT | OR | OFF | 2004/11/18 17:41 |
| S45 | 8 | ("4514657" "5448130" "5461276" "5497045" "5563468" "5574329" "6121719" "6316868").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/18 17:43 |
| S46 | 0 | ("6724133").URPN. | USPAT | OR | ON | 2004/11/18 17:45 |
| S47 | 1 | ("6611084").URPN. | USPAT | OR | ON | 2004/11/19 10:02 |
| S48 | 5 | ("4845400" "5239225" "5793151" "6064143" "6316868").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/19 10:03 |
| S49 | 8 | ("4514657" "5448130" "5461276" "5497045" "5563468" "5574329" "6121719" "6316868").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/19 10:42 |
| S50 | 0 | ("6724133").URPN. | USPAT | OR | ON | 2004/11/19 10:50 |